

Review of: "Socioeconomic Impacts of Hybrid Pico Hydro-Solar Generation System Implementation in Sitio Singawan, Barangay Umiray, Municipality of Dingalan, Aurora, Philippines"

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Potential competing interests: No potential competing interests to declare.

This article explores the significant socioeconomic impacts of implementing renewable energy systems in rural areas. The work presented is interesting and useful; however it lacks in many aspects which are an important and integral part of a scientific article. I suggest a serious major revision for making it a scientific study.

Comments to Authors:

1. More specific output of the study should be given in the manuscript.
2. The research gaps should be clearly highlighted through critical literature review.
3. Equations and methodology for determining the turbine power, side disk diameter, blade length, angle of attack, and blade angles should be incorporated in the manuscript.
4. The variation of parameters like water flow to turbine, standard voltage and frequency levels should be shown using plots.
5. The flowchart showing implementation process of the control algorithm ANFIS should be added into the manuscript.
6. The schematic of the developed Pico Hydro Generation System should also be given in the manuscript.
7. The important parameters of solar generation system such as solar radiation intensity, solar panel efficiency, specifications of charge controller and storage battery etc. should be discussed in the manuscript.
8. It will be better to present economic analysis in Tabular form.
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10. Concluding remarks should be given separately.
11. More references should be cited.